

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

9771 Clairemont Mesa Blvd., Ste. B
San Diego, California 92124-1331
Telephone: (619) 265-5114

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CORPORATE AFFAIRS

CERTIFIED RETURN RECEIPT REQUESTED

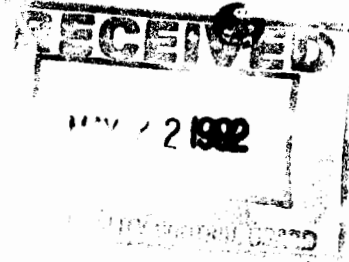
July 9, 1987

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Mr. Kelly Williamson
Director of Environmental Affairs
Kayo Oil Company
1221 East Main Street
Chattanooga, Tennessee 37408

Dear Mr. Williamson:

CLEANUP AND ABATEMENT ORDER NO. 87-107



Enclosed is Cleanup and Abatement Order No. 87-107. This Cleanup and Abatement Order is being issued to Kayo Oil Company under the authority of California Water Code Section 13304 in response to the unauthorized release of fuel hydrocarbons from the underground storage tank system at the Econo Self Serve Station located at 9932 Campo Road in Spring Valley. The fuel discharge has migrated to and infiltrated an underground Pacific Bell utility vault and has caused pollution and contamination of the underlying ground water.

Basically, the Cleanup and Abatement Order directs Kayo Oil Company, the responsible party, to clean up the petroleum hydrocarbon contamination resulting from the unauthorized fuel release at the Econo Self Serve Station. The Order requires Kayo Oil Company to submit quarterly progress reports to this office, until, in the opinion of the Executive Officer, the cleanup can be considered complete. A copy of each progress report should also be sent to the Hazardous Materials Management Unit of the County of San Diego Department of Health Services. The first quarterly progress report is due no later than October 30, 1987.

At some time in the future, prior to the final phase of the cleanup, Kayo Oil Company shall develop, design and cost alternative cleanup strategies for a range of potential final cleanup levels. The Order directs Kayo Oil Company to implement the final cleanup alternative selected by the Regional Board after review of the cleanup alternatives developed and submitted by the discharger.

Letter (continued)
Mr. Kelly Williamson

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The issuance of this Cleanup and Abatement Order to Kayo Oil Company will be discussed at the July 27, 1987 Regional Board meeting. This meeting is open to public participation and you are welcome to attend. It is scheduled for 9:00 a.m., in Room 358, County Administration Building, at 1600 Pacific Highway, San Diego.

If you have any questions, please call Mr. Scott Hugenberber at the above number.

Very truly yours,



LADIN H. DELANEY,
Executive Officer

SGH:ac

cc: (w enclosures)

Ms. Victoria Gallagher
Hazardous Materials Management Unit
County of San Diego Department of Health Services
1700 Pacific Highway
San Diego, CA 92101

Mr. Roy Chaffee, Claims Manager
Pacific Bell
525 B Street, Room 1944
San Diego, CA 92101

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

CLEANUP AND ABATEMENT ORDER NO. 87-107

KAYO OIL COMPANY
ECONO GAS STATION
SPRING VALLEY
SAN DIEGO COUNTY

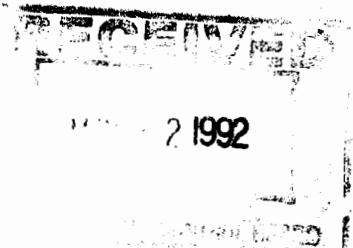
The California Regional Water Quality Control Board, San Diego Region
(hereinafter Regional Board) finds that:

1. Kayo Oil Company owns and operates a gasoline service station known as Econo Gas Station at 9932 Campo Road and Barcelona in Spring Valley. The site lies in the Sweetwater Hydrographic Subarea of the Lower Sweetwater Hydrographic Subunit. Pacific Bell Company has subsurface utility vaults running along Campo Road on the southern edge of the Econo Gas Station.
2. On October 3, 1985 the County of San Diego Department of Health Services (CSDDHS) notified this office of a condition of subsurface petroleum hydrocarbon contamination existing at the Econo Gas Station. According to the information submitted to this office by the CSDDHS and Kayo Oil Company, the following is a partial history of the events that have taken place at the Econo Gas Station:
 - a. On December 11, 1978 Pacific Bell discovered gasoline in their telephone vault on Campo Road designated manhole no. 174. Pacific Bell pumped gasoline and ground water out of the vault.
 - b. In response to the discovery of gasoline in the telephone vault, Kayo Oil Company examined their fuel inventory records on December 11, 1978 and found that 500 to 600 gallons of regular leaded gasoline was unaccounted for. No detailed information has been submitted to this office describing what, if any, remedial actions were taken by Kayo Oil Company to mitigate the effects of this unauthorized fuel discharge.
 - c. On January 22, 1981 Pacific Bell again discovered gasoline in manhole no. 174. Pacific Bell collected and chemically analyzed a sample and found that it was leaded gasoline. Pacific Bell recovered monetary expenses from Kayo Oil Company incurred by Pacific Bell as a result of the unauthorized fuel discharge. No information has been submitted to this office detailing what, if any, remedial actions were taken by Kayo Oil Company to mitigate the problem.

4. In a letter dated January 2, 1987 Kayo Oil Company informed this office that their consultants installed four monitoring wells on site in December, 1986. The results of this work have not been submitted to this office as of June 30, 1987.
5. The Comprehensive Water Quality Control Plan Report, San Diego Basin (9) (Basin Plan) was adopted by this Regional Board on March 17, 1975; approved by the State Water Resources Control Board on March 20, 1975; and updated by the Regional Board on February 27, 1984. The 1978, 1981, 1983 and 1984 updates were subsequently approved by the State Board.
6. The Basin Plan established the following uses as potential and existing beneficial uses for the ground water in the Sweetwater Hydrographic Subarea:
 - a. Municipal and domestic supply
 - b. Agricultural supply
 - c. Industrial service supply
 - d. Ground water recharge
7. The Basin Plan established the following uses as the beneficial uses for the surface waters in the Sweetwater Hydrographic Subarea:
 - a. Industrial service supply
 - b. Non-contact water recreation
 - c. Warm fresh-water habitat
 - d. Wildlife habitat
 - e. Preservation of rare and endangered species
8. Section 13050 of the California Water Code defines *pollution* and *contamination* as follows:

"Pollution means an alteration of the quality of the waters of the state by waste to a degree which unreasonably affects (1) such waters for beneficial uses, or (2) facilities which serve such beneficial uses."

"Contamination means an impairment of the quality of the waters of the state by waste to degree which creates a hazard to the public health through poisoning or through the spread of disease. Contamination shall include any equivalent effect resulting from the disposal of waste, whether or not waters of the state are affected."



It is hereby ordered, that pursuant to Section 13304 of the California Water Code, Kayo Oil Company (hereinafter the discharger) shall comply with the following directives:

1. The discharger shall take effective remedial action to:
 - a. Clean up and abate the effects of the unauthorized discharge of petroleum hydrocarbons to the satisfaction of the Regional Board Executive Officer;
 - b. Remove all free petroleum hydrocarbon product from the affected ground water zone;
 - c. Protect the beneficial uses of the ground water of the Sweetwater Hydrographic Subarea;
 - d. Prevent the spreading of the zone of petroleum hydrocarbon contamination;
 - e. Prevent the migration to and infiltration of petroleum hydrocarbons into the Pacific Bell telephone utility vaults.
2. The discharger shall submit monitoring reports to this office on a quarterly basis until, in the opinion of the Regional Board Executive Officer, the site has been cleaned up. The monitoring reports shall describe the progress made in the cleanup operations and shall demonstrate that the petroleum hydrocarbon waste released from the demolished service station has been and remains immobilized. The quarterly monitoring reports shall include, but not be limited to, the following information:
 - a. A description of the remedial actions employed by the discharger.
 - b. Quantity of petroleum hydrocarbon product recovered for the quarter and the total to date.
 - c. Quantity of ground water extracted for the quarter, the total to date, and its ultimate disposal point.
 - d. The water levels and product thicknesses in all monitoring wells.
 - e. Any information necessary to demonstrate that the petroleum hydrocarbon contamination resulting from the unauthorized release from the underground tank system at the site is fully contained and immobilized and/or is diminishing in size.
 - f. A map of the site with hydrologic contours showing the ground water flow pattern and the locations of all monitoring wells.

- b. A remedial action alternative proposing the attainment of petroleum hydrocarbon concentrations less stringent than those specified in (a). This alternative concedes the affected ground water to a degraded status. It will be necessary to establish, to the satisfaction of the Regional Board, that the petroleum hydrocarbon concentrations being proposed by the dischargers under this alternative would comply with the following criteria in accordance with the State Board's Resolution No. 68-16:

1. The proposed petroleum hydrocarbon concentrations to be attained in the affected ground water contamination zone would not unreasonably affect the beneficial uses listed in Finding 6.
2. The proposed petroleum hydrocarbon concentrations to be attained in the affected ground water contamination zone will be consistent with the maximum benefit to the people of the state.
3. The proposed petroleum hydrocarbon concentrations to be attained in the affected ground water contamination zone will not result in water quality less than prescribed in the Basin Plan or other adopted policies.

- c. Treatment and/or removal of the polluted ground water to attain the following State Department of Health Services and Regional Board criteria in the underlying ground water aquifer:

<u>Constituent</u>	<u>Maximum Concentration</u>
Benzene	0.7 µg/l
Toluene	100 µg/l
Ethylbenzene	680 µg/l
Total Xylenes	620 µg/l
Total Petroleum Hydrocarbons	1.0 mg/l
Total Lead	50 µg/l

All free petroleum hydrocarbon product must be removed under all three alternatives.

4. The cleanup alternatives required under Directive 3 of this order will be evaluated in detail by Regional Board staff. This evaluation will include technical considerations, estimated costs, and anticipated water quality impacts associated with each alternative. Based on this evaluation, a specific cleanup alternative will be selected by the Regional Board. If, however, the discharger wishes to implement cleanup alternative 3(a), the discharger will not be required to develop cleanup strategies corresponding to alternatives 3(b) and 3(c). If the discharger wishes to implement cleanup alternative 3(b), the company will not be required to develop strategy corresponding to alternative 3(c).
5. The dischargers shall remove and/or treat all soil containing total

Ultramar

Ultramar Inc.
P.O. Box 466
525 W. Third Street
Hanford, CA 93232-0466
(209) 582-0241

Telecopy: 209-584-6113 Credit & Wholesale
209-583-3330 Administrative
209-583-3302 Information Services
209-583-3358 Accounting

MAY 2 1992

May 15, 1992

Mr. David Felix
Hazardous Materials Division
San Diego County Department of Health Services
P.O. Box 85261
San Diego, CA 92138-5261

SUBJECT: ULTRAMAR STATION NO. 744, 9932 CAMPO ROAD, SPRING VALLEY,
CALIFORNIA

Dear Mr. Felix:

This letter is in response to your letter to Ultramar Inc. (Ultramar) dated April 6, 1992. In the letter you stated that you were not aware of the establishment of clean up levels for the above-referenced site. I have enclosed a copy of the Cleanup and Abatement Order No. 87-107 in which the cleanup levels are stated on page 4.

However, the benzene level of 0.7 parts per billion (ppb) is the old Department of Health Services level and Ultramar would suggest that this cleanup level be revised in light of the new Maximum Contaminant Level (MCL) of 1.0 ppb for benzene.

During the next quarterly monitoring event Ultramar will collect a ground-water sample for analysis of background water quality. The results will determine if there is justification for revising the cleanup standards.

Please call if you have any questions.

Sincerely,

ULTRAMAR INC.

Terrence A. Fox

Terrence A. Fox
Senior Project Manager
Marketing Environmental Department

Enclosure

cc w/encl: Mr. Jim Munch, San Diego Region, RWQCB
Mr. Joel Kloth, RESNA, Irvine, California



A Member of the Ultramar Group of Companies

BEACON
#1 Quality and Service

- Check on soil delcar.
- Soil cleanup

- Call Fox & Assoc.
Send letter indicating.

Call
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10/2/92
of
cu/